- 1 1. A method comprising:
- determining a color gamut that a substantial
- 3 portion of the sub-pixels of an expressed color of an
- 4 organic light emitting device display are able to achieve;
- 5 and
- adjusting the drive current to the sub-pixels to
- 7 achieve that color gamut.
- 1 2. The method of claim 1 including determining a
- 2 color gamut that all of the subpixels of an expressed color
- 3 gamut can achieve and adjusting the device current to
- 4 achieve that color gamut.
- 1 3. The method of claim 1 including maintaining said
- 2 gamut substantially constant over the lifetime of said
- 3 display.
- 1 4. The method of claim 1 including maintaining said
- 2 gamut substantially constant by mixing a first or second
- 3 subpixel color with an expressed color pixel to adjust the
- 4 color of the expressed color pixel.
- 1 5. The method of claim 1 including mixing colors of
- 2 a tricolor color space to achieve said color gamut.

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- An article comprising a medium storing 1 6. instructions that enable a processor-based system to: 2 determine a color gamut that a substantial 3 portion of the sub-pixels of an expressed color of an 4 organic light emitting device display are able to achieve; 5 6 and adjust the drive current to the sub-pixels to 7 achieve that color gamut. 8
  - 7. The article of claim 6 further storing instructions that enable the processor-based system to determine a color gamut that all of the sub-pixels of an expressed color gamut can achieve and adjust the drive current to achieve that color gamut.
    - 8. The article of claim 6 further storing instructions that enable the processor-based system to maintain said gamut substantially constant over the lifetime of said display.
- 9. The article of claim 6 further storing instructions that enable the processor-based system to maintain said gamut substantially constant by mixing a first or second sub-pixel color with an expressed color pixel to adjust the color of the expressed color pixel.

- 1 10. The article of claim 6 further storing 2 instructions that enable the processor-based system to mix 3 colors of a tri-color space to achieve said color gamut.
- 1 11. An electrical system for an organic light 2 emitting device display comprising:
- a drive circuit to drive the pixels of said display;
- a processor coupled to said drive circuit; and
  a storage coupled to said processor, said storage
  storing instructions that enable the processor to determine
  a color gamut that a substantial portion of the sub-pixel
  of an expressed color gamut of an organic light emitting
- 10 device display are able to achieve and adjust the drive
- 11 current to the sub-pixels to achieve that color gamut.
- 1 12. The system of claim 11 wherein said storage 2 stores instructions that enable the system to determine a 3 color gamut that all of the sub-pixels of an expressed 4 color gamut can achieve and adjust the drive current to 5 achieve that color gamut.
- 1 13. The system of claim 11 wherein said storage 2 stores instructions that enable the system to maintain said 3 color triangles substantially constant over the lifetime of 4 the display.

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- 1 14. The system of claim 11 wherein said storage 2 stores instructions that enable the system to maintain the 3 gamut substantially constant by mixing a first or second 4 sub-pixel color with an expressed color pixel to adjust the 5 color of the expressed color pixel.
- 1 15. The system of claim 10 wherein said storage 2 stores instructions that enable the system to mix colors of 3 a tri-color color space to achieve said color gamut.
  - 16. A display comprising:
- a plurality of organic light emitting sub-pixels of at least three colors;
- a drive circuit for driving said sub-pixels to emit light; and
- a controller to control said drive current to

  determine a color gamut that a substantial portion of the

  sub-pixels of an expressed color gamut of said display are

  able to achieve and adjust the drive current to the
- 10 sub-pixels to achieve that color gamut.
- 1 17. The display of claim 16 wherein said sub-pixels 2 include conjugated polymers.

- 1 18. The display of claim 16 wherein said sub-pixels
- 2 include a film including small molecules.
- 1 19. The display of claim 16 wherein said display
- 2 includes sub-pixels in the form of a stacked layer.
- 1 20. The display of claim 16 including a substrate
- 2 wherein said sub-pixels are distributed side-by-side across
- 3 said substrate.
- 1 21. The display of claim 16 wherein said controller
- 2 determines a color gamut that all of the sub-pixels of an
- 3 expressed color gamut can achieve and adjusts the drive
- 4 current to achieve that color gamut.